

For Research Use Only

Anti-Mouse CD45R (B220) (RA3-6B2)



Catalog Number: 65139-1-Ig

1 Publications

Basic Information

Catalog Number: 65139-1-Ig	GenBank Accession Number: BC028512	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 19264	CloneNo.: RA3-6B2
Source: Rat	Full Name: protein tyrosine phosphatase, receptor type, C	Recommended Dilutions: IF 1:250-1:1000
Isotype: IgG2a, kappa		

Applications

Tested Applications: FC, IF	Positive Controls: IF : mouse splenocytes,
Cited Applications: IF	
Species Specificity: Human, Mouse	
Cited Species: mouse	

Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097). CD45R (B220) is an isoform of CD45, expressed on murine B-lineage cells (except for plasma cells) and on a small sub-population of T cells (PMID: 6975314; 15712182). It is commonly used as a pan B-cell marker in mice. CD45R is also expressed on activated T cells and NK cell subsets (PMID: 7514808; 17923504). The RA3-6B2 clone reacts with human and mouse CD45R.

Notable Publications

Author	Pubmed ID	Journal	Application
Riko Niwa	36524622	Thorac Cancer	IF

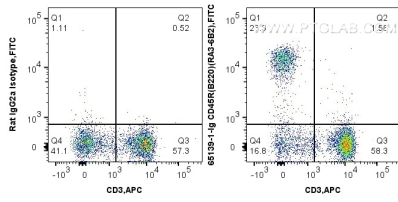
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

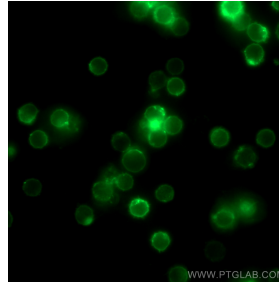
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



1X10⁶ C57BL/c mouse splenocytes were surface co-stained with APC Anti-Mouse CD3 and 0.5 ug Anti-Mouse CD45R (B220) (65139-1-Ig, Clone: RA3-6B2) or 0.5 ug Isotype Control. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CD45R (B220) antibody (65139-1-Ig, Clone: RA3-6B2) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).